

Figure 1

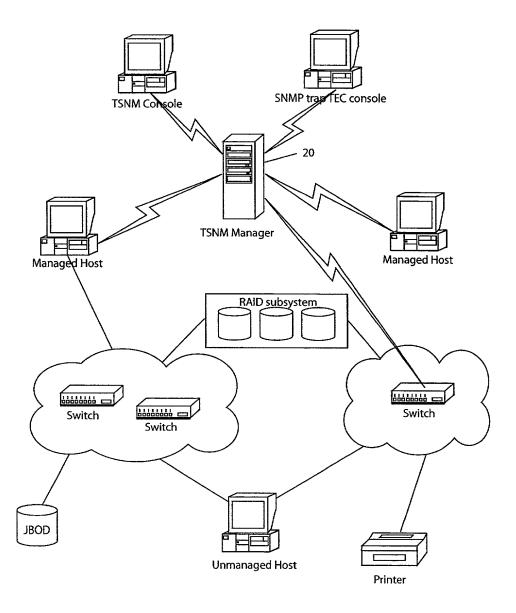


Figure 2

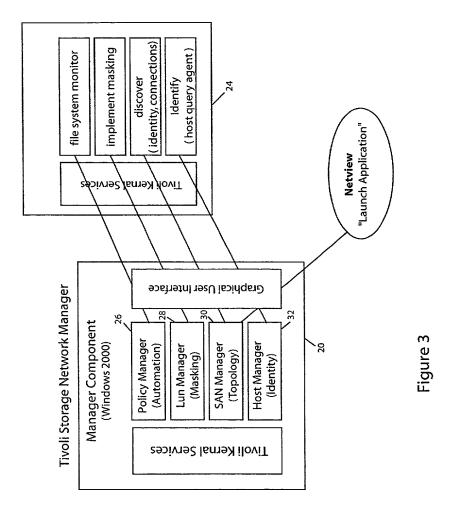
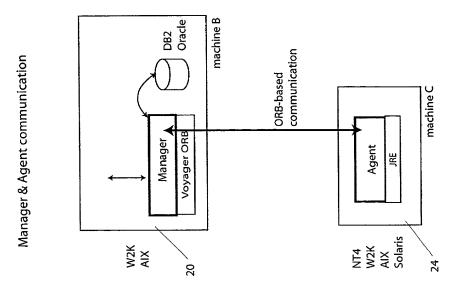


Figure 4



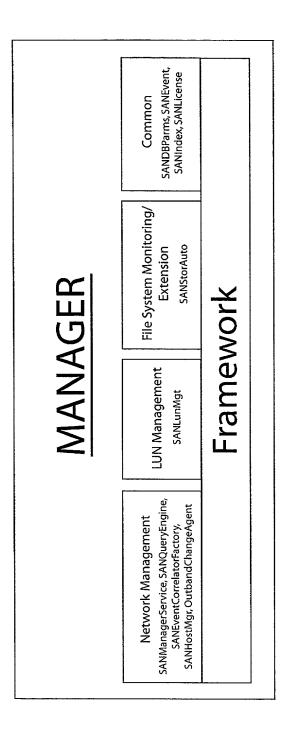


Figure 5

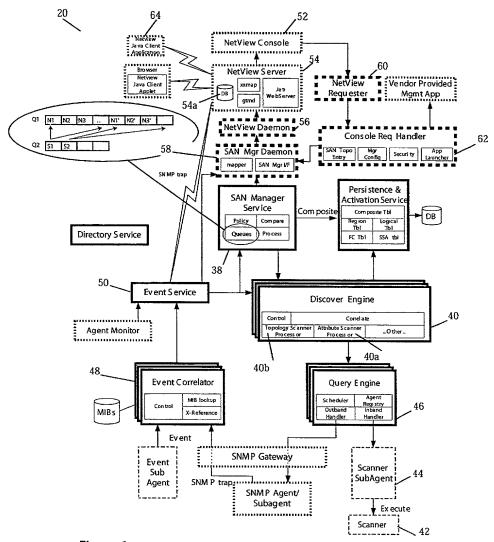
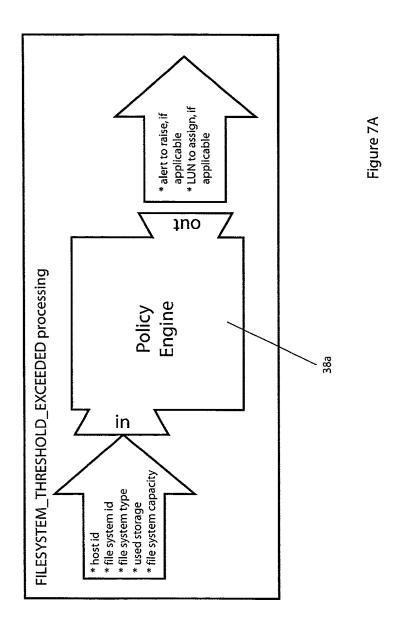
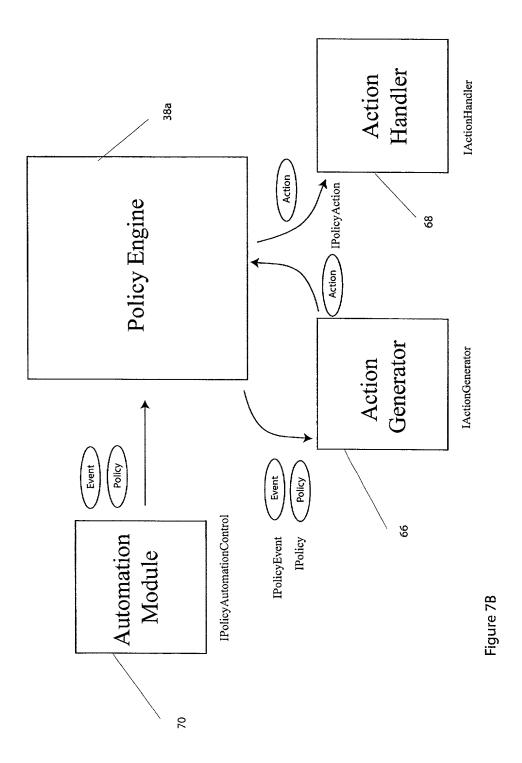


Figure 6





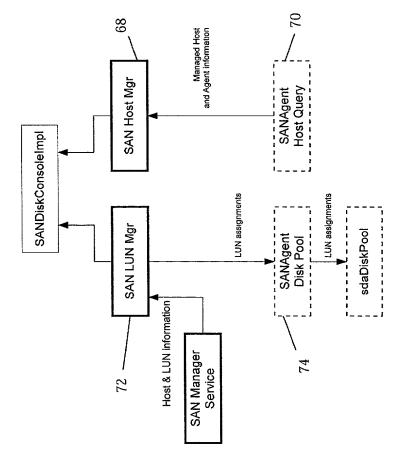


Figure 8

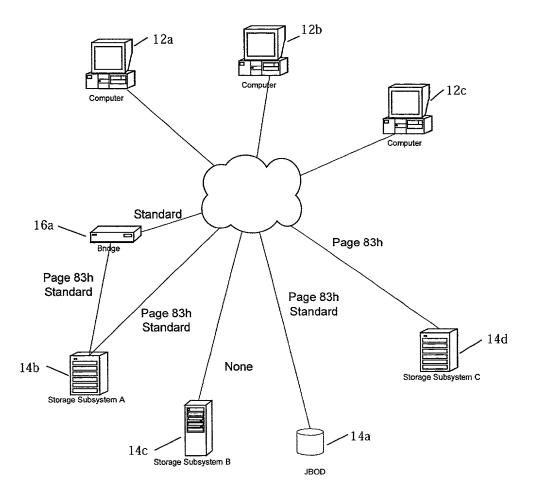
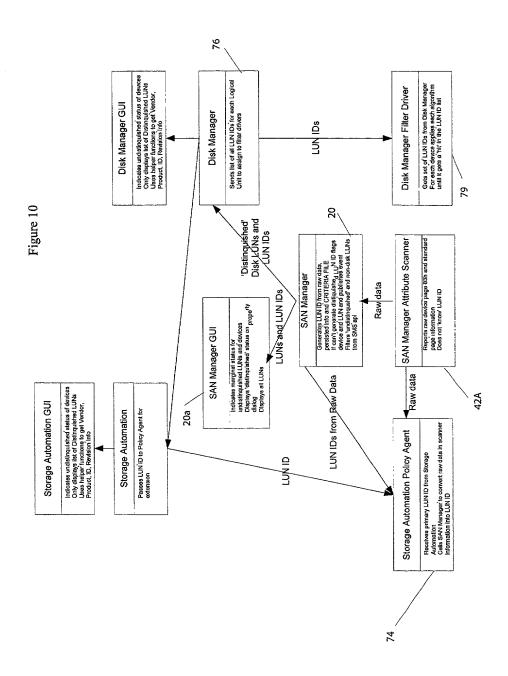


Figure 9



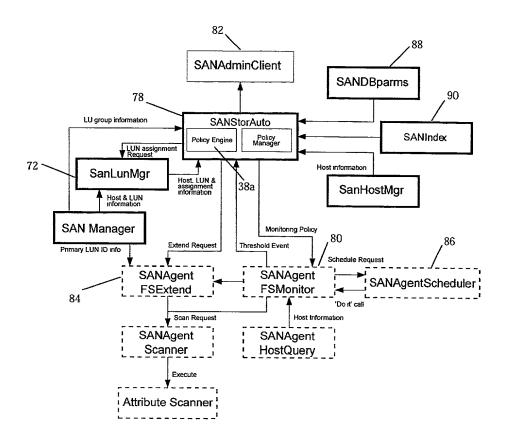


Figure 11

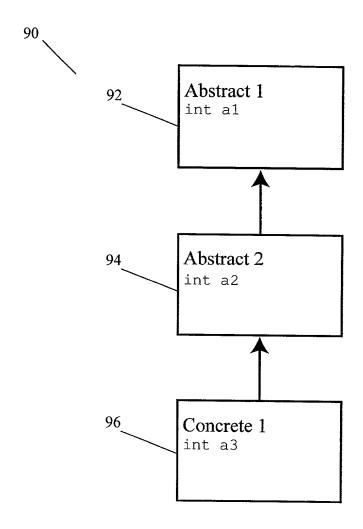


Figure 12

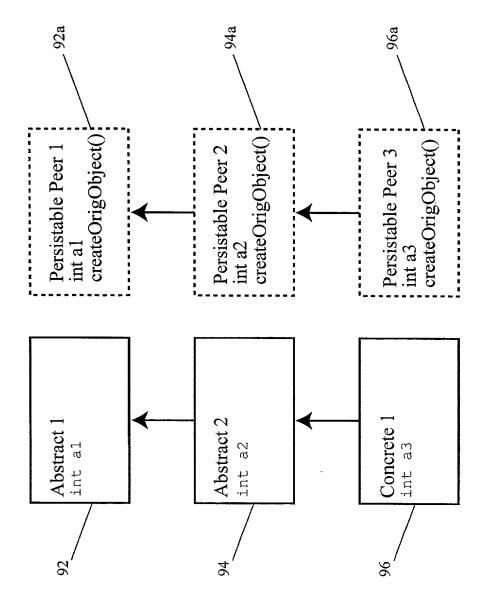
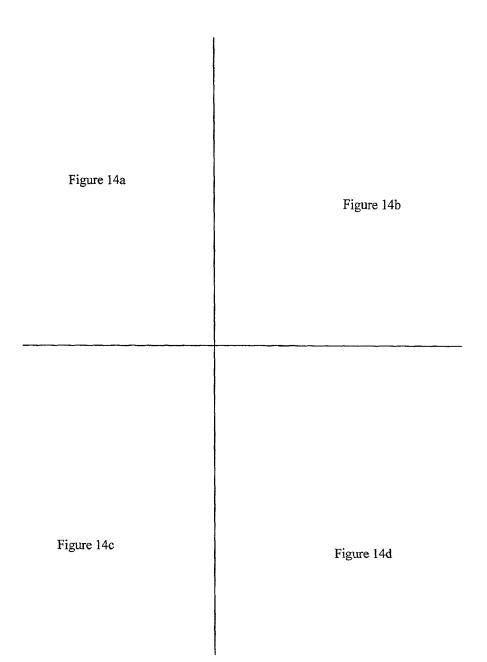
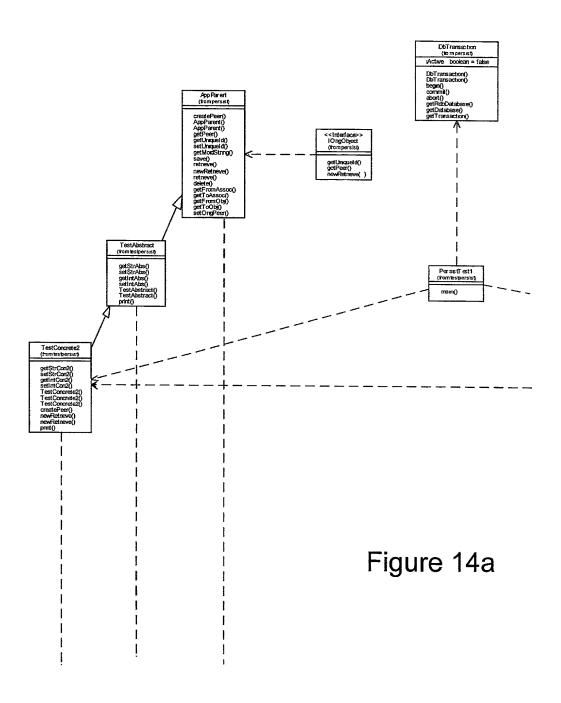
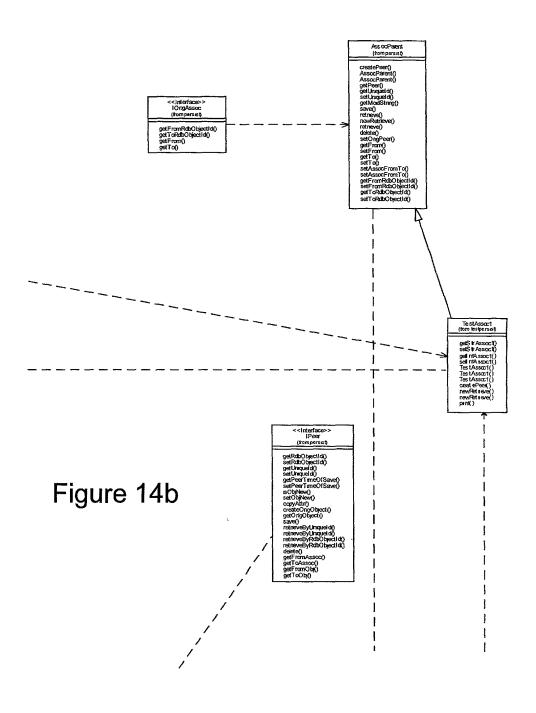
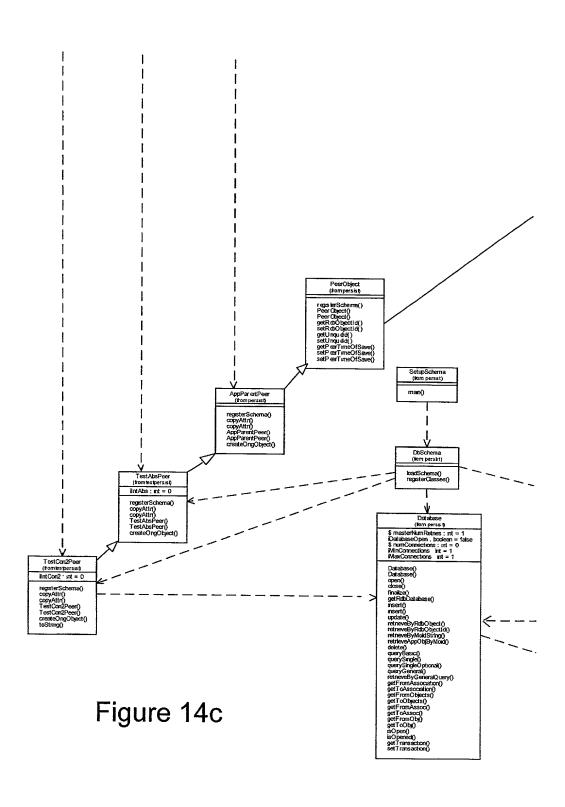


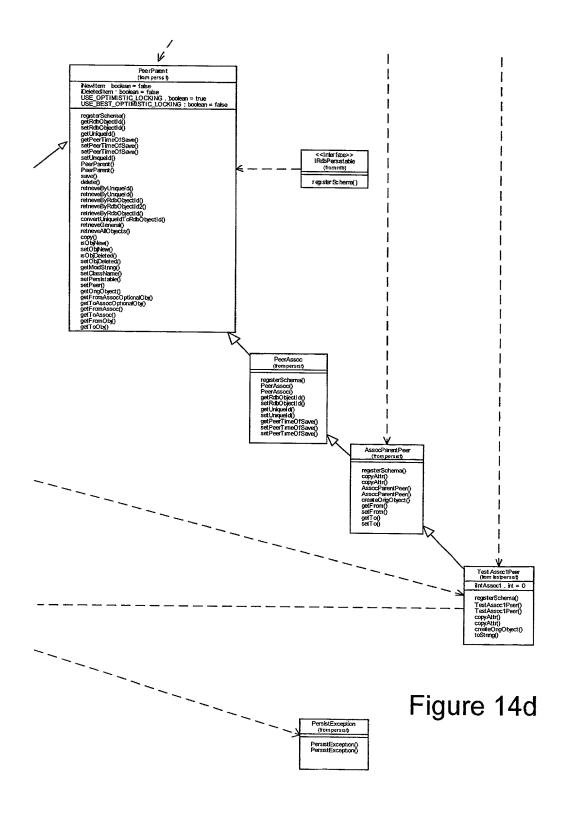
Figure 13











GUI (server) & Manager communication



▲ GUI "looks up" the object by name in bind" them to Voyager directory service

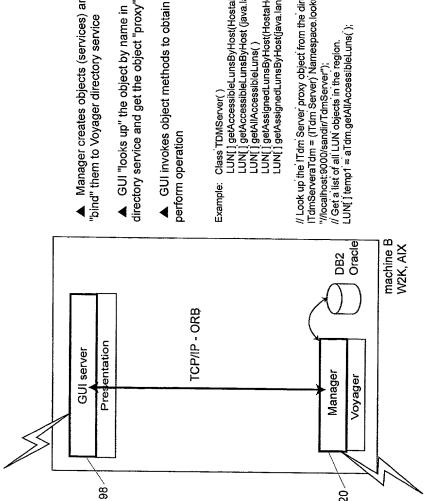
▲ GUI invokes object methods to obtain info or

LUN[] getAccessibleLunsByHost(HostaHost) LUN[] getAccessibleLunsByHost (java.lang.String.ip) LUNI ] getAccessibleLunsByHost (java.lang.String.ip.LUNI ] getAllAccessibleLuns() LUNI ] getAssignedLunsByHost(HostaHost) LUNI ] getAssignedLunsByHost(java.lang.String.ip) Class TDMServer() perform operation Example:

// Look up the ITdm Server proxy object from the directory service ITdmServeraTdm = (ITdm Server) Namespace.lookup(

"//localhost:9000/sandir/TdmServer"); // Get a list of all LUN objects in the region. LUN[] temp1 ≈ aTdm.getAllAccessibleLuns();

Figure 15



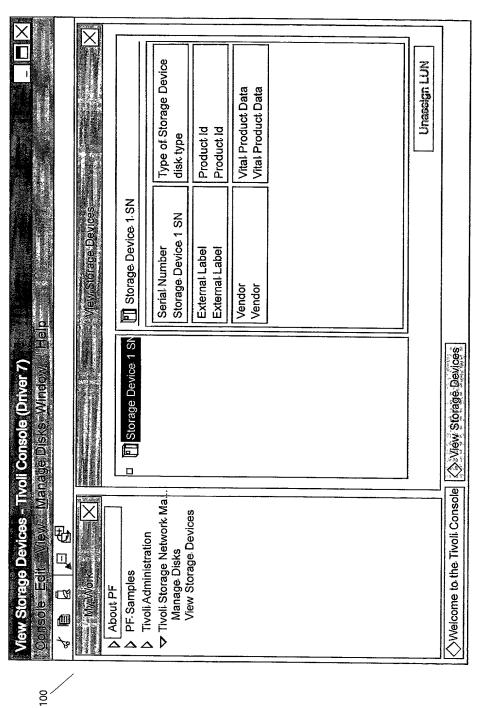
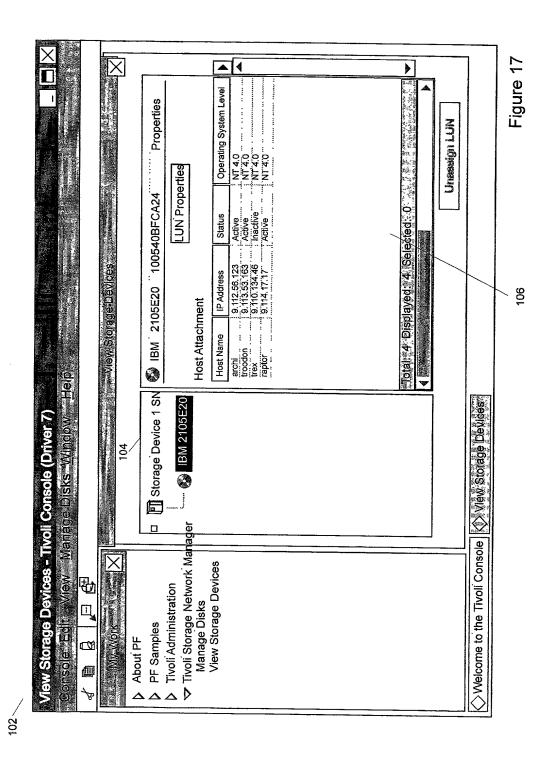
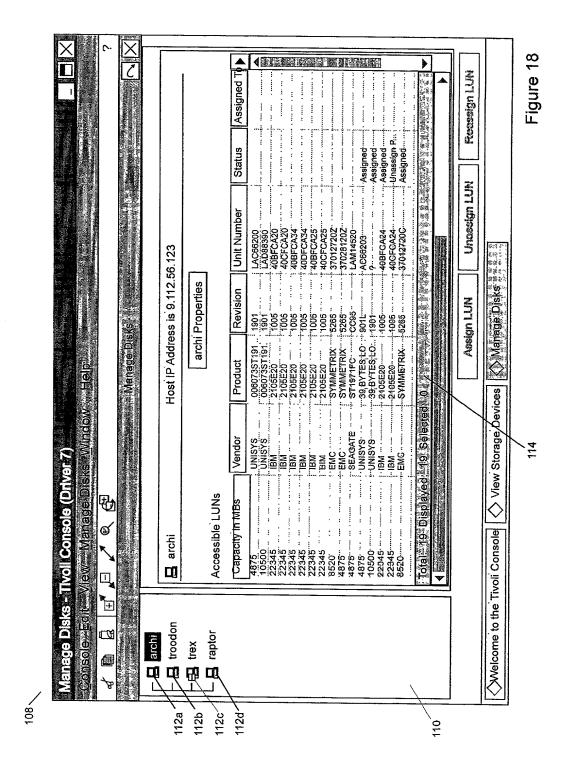
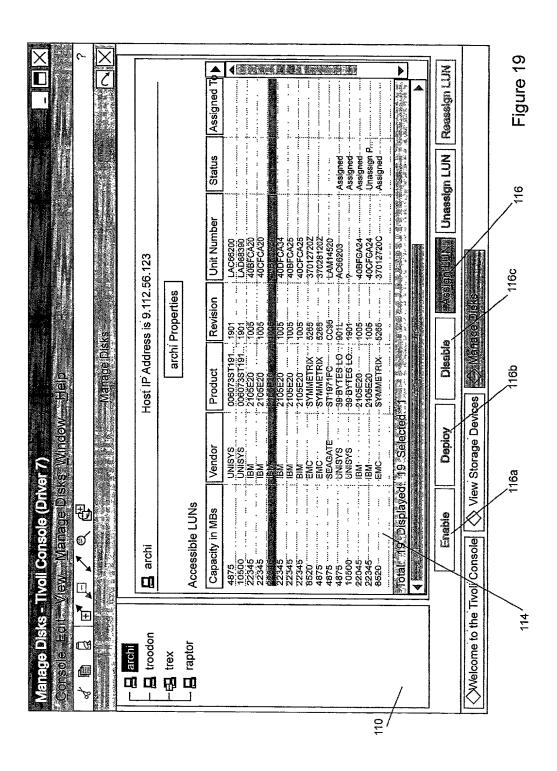
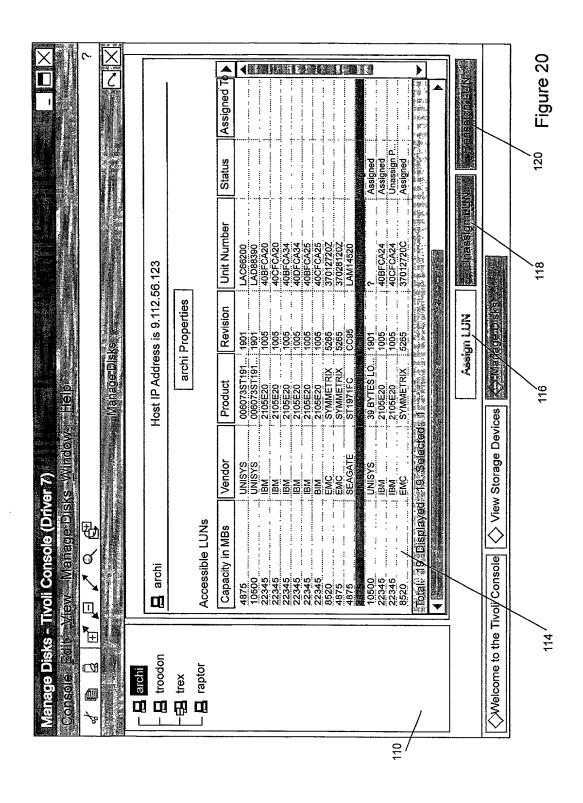


Figure 16









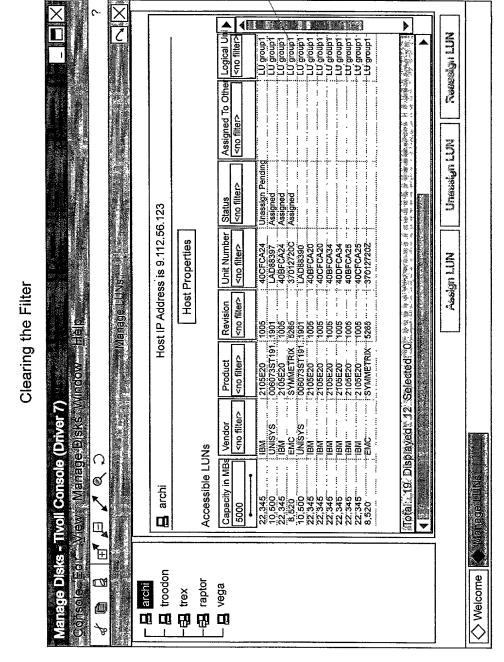


Figure 21

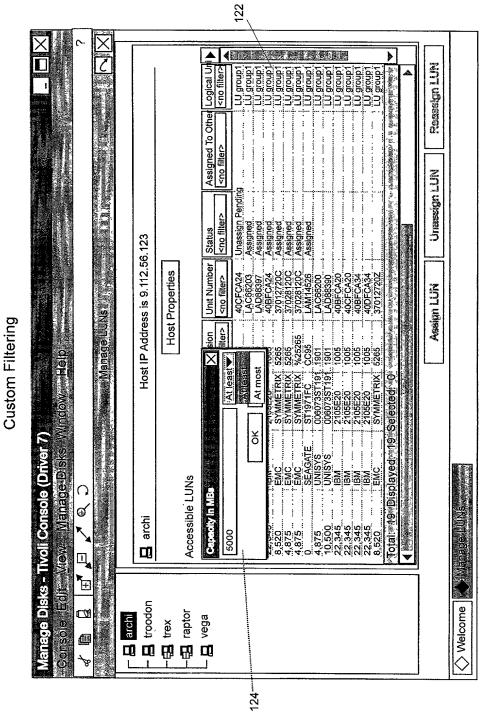


Figure 22

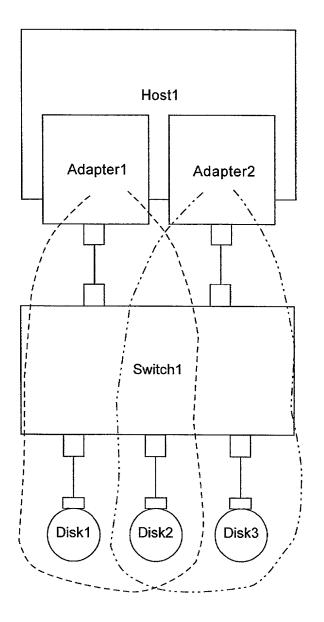
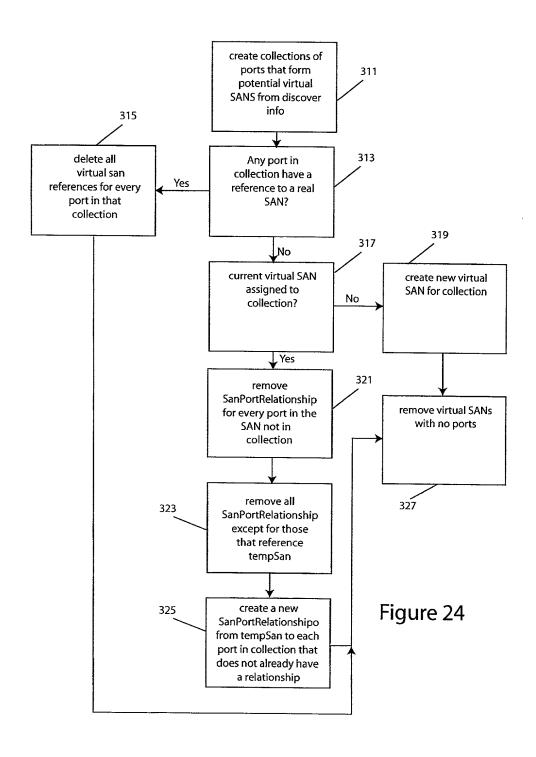
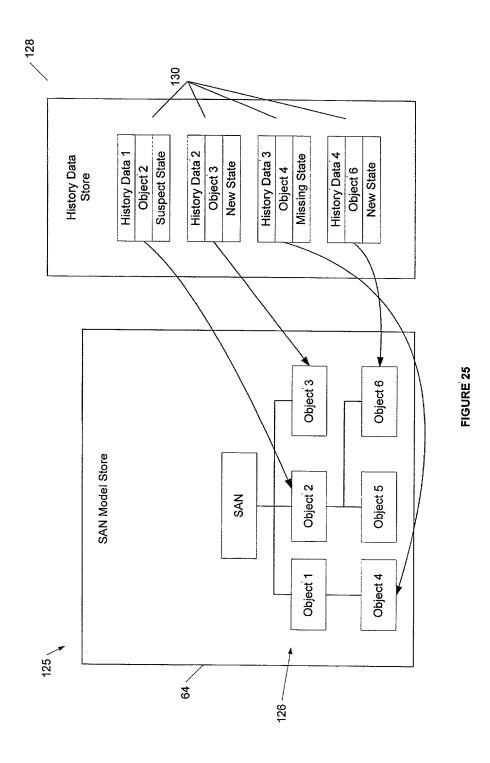


Figure 23





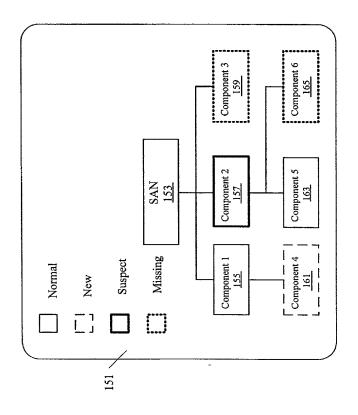


FIGURE 26

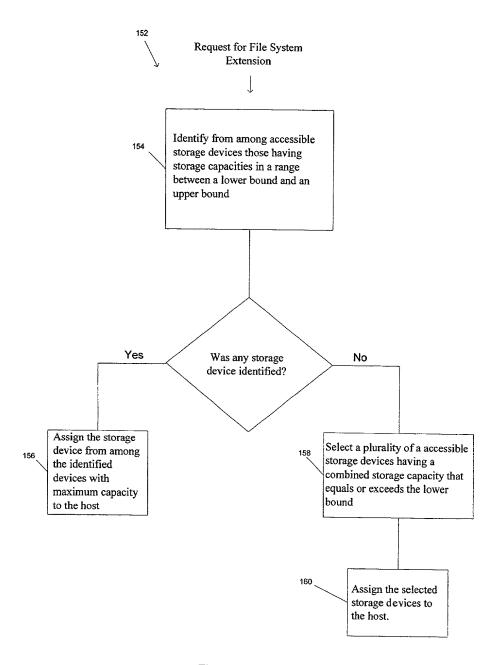


Figure 27

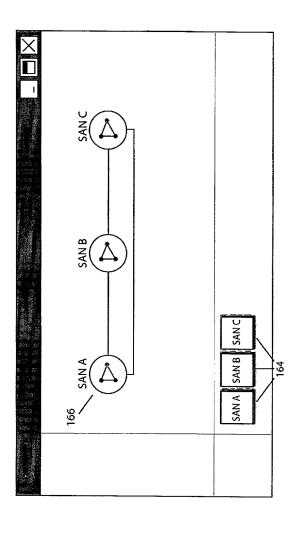


Figure 28

33/48

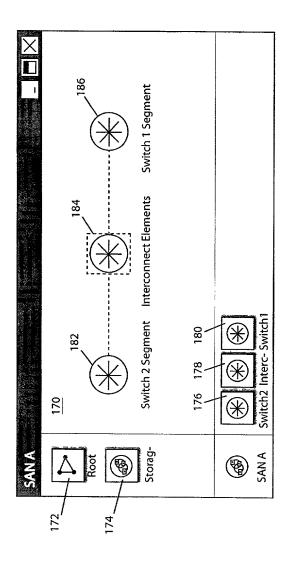


Figure 29

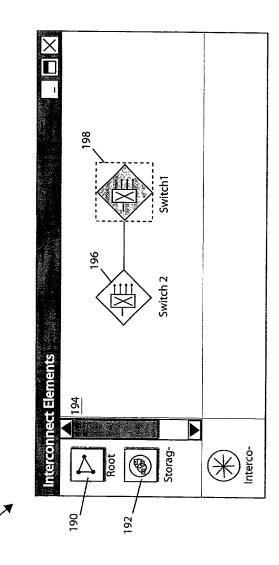
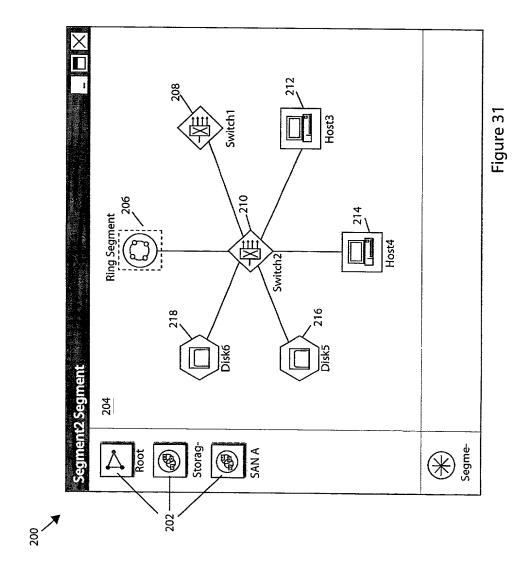
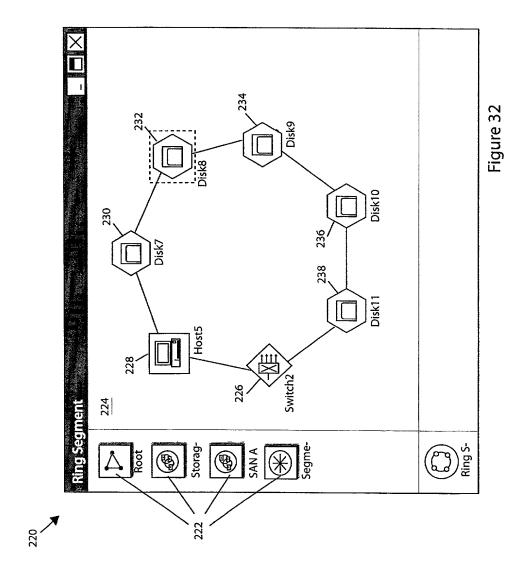
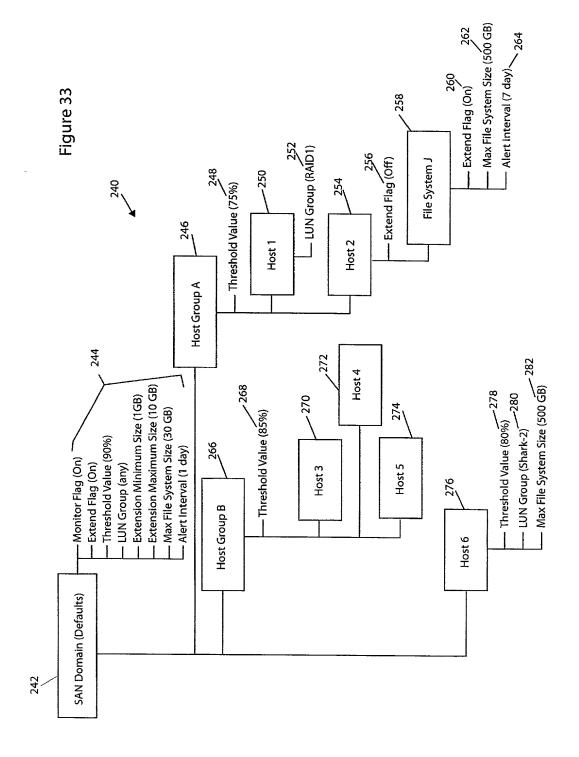


Figure 30







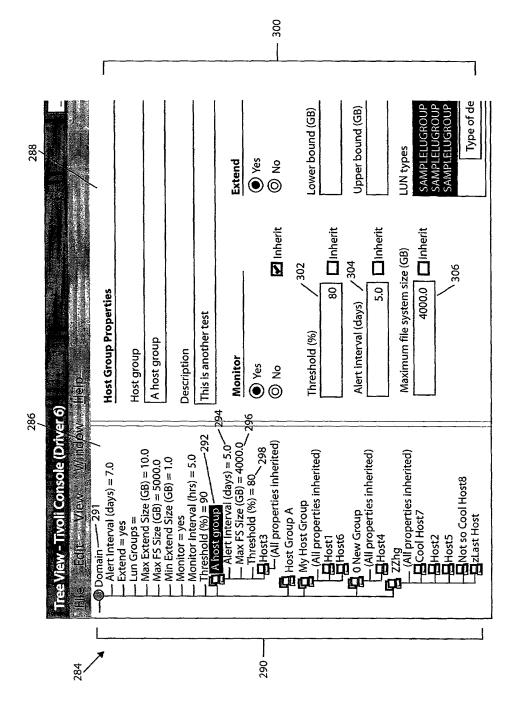
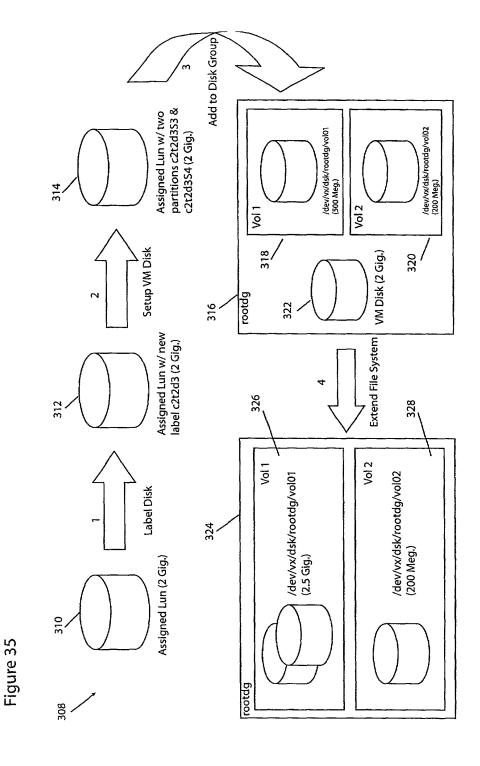


Figure 34



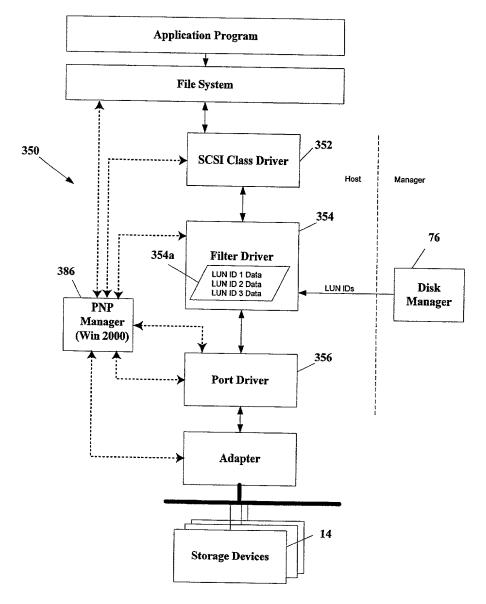


FIGURE 36

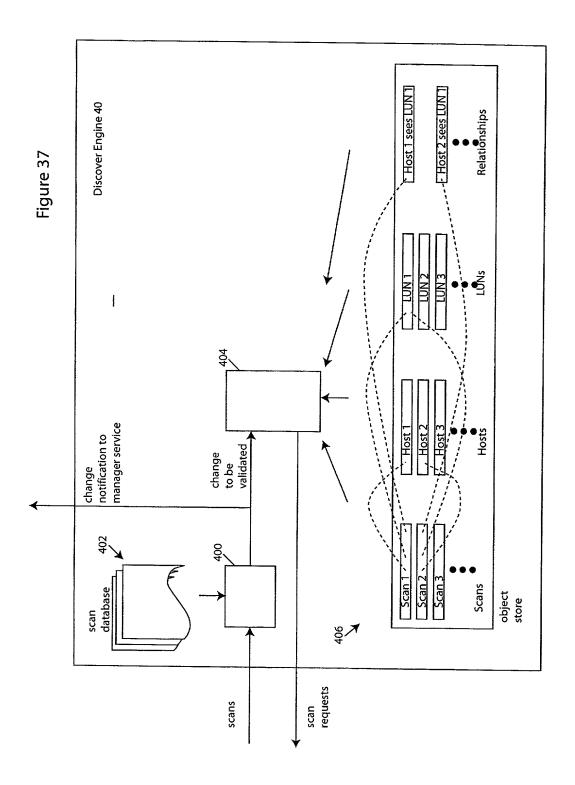
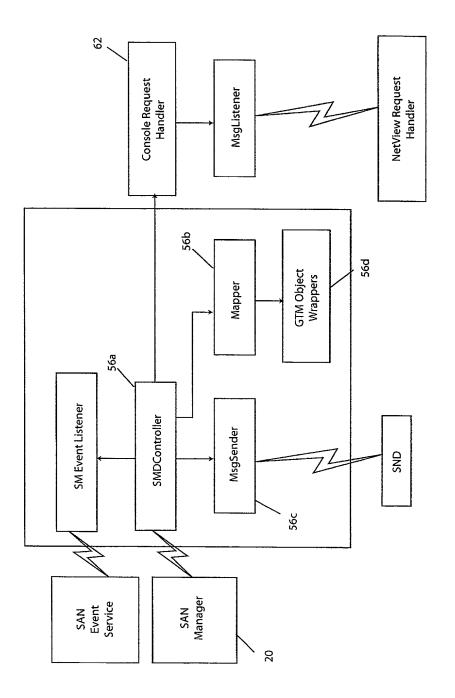
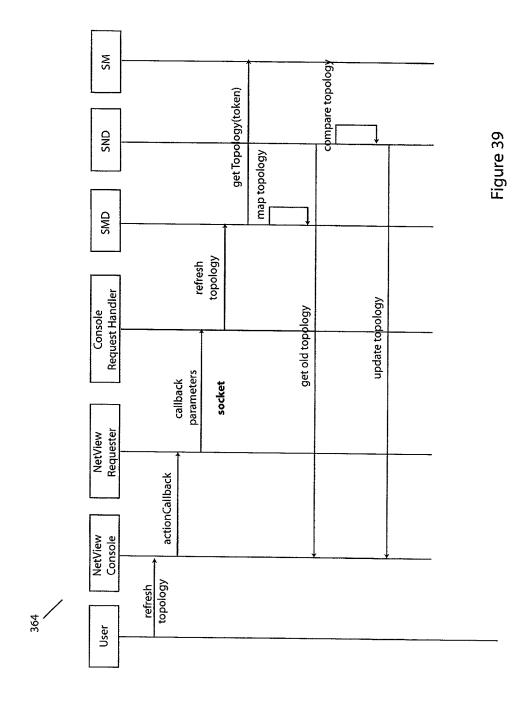
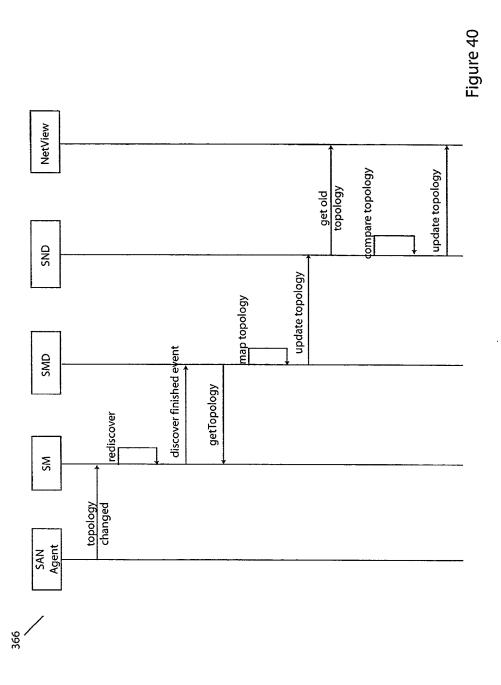


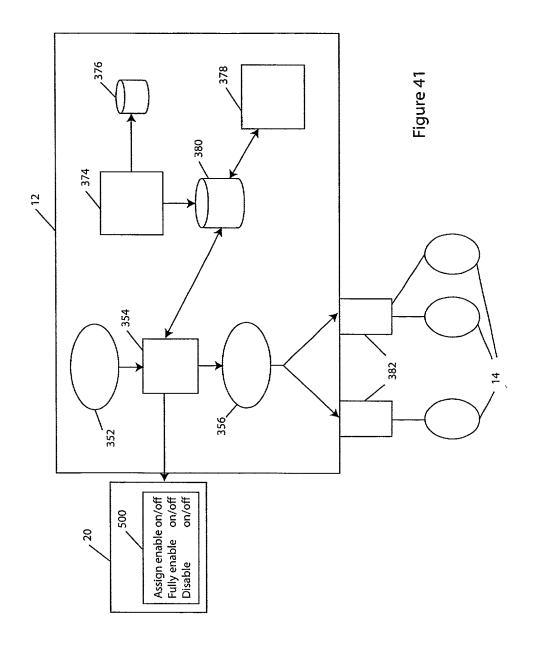
Figure 38



43/48







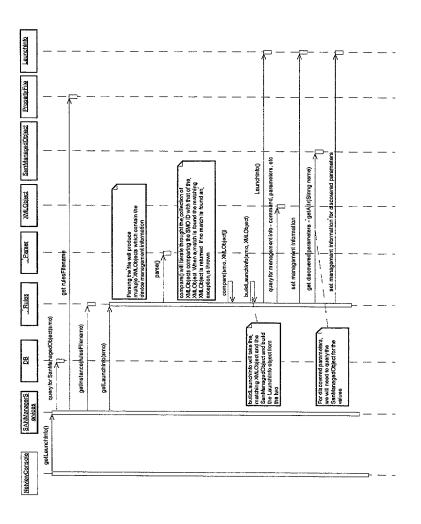


Figure 42

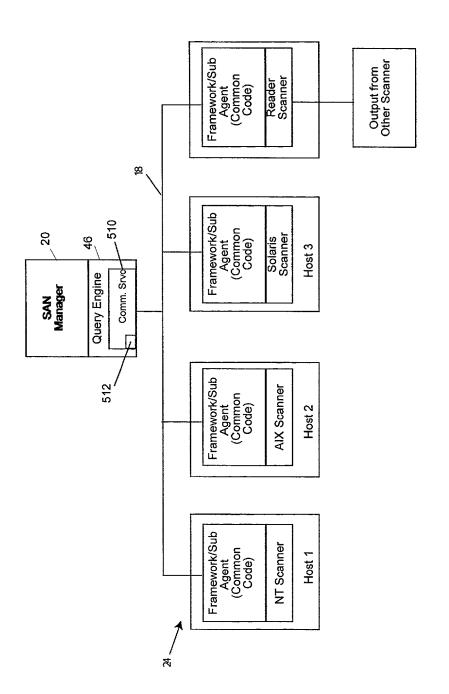


Figure 43